2. Product Specification

## 2-1 Product Specification

Features			
Block	Specification	Major IC	Remark
RF	Digital/Analog (DTV Built In)	NTSC/HALF-NIM TUNER MT5382FR	
PDP Module	50" SAMSUNG SDI 50" FHD WF3.5 SAMSUNG SDI 50" FHD UF1	50" FHD	New Module
	58" SAMSUNG SDI WF2 FHD	58" FHD	
Power	DANAM SMPS 110V~220V Free volt SEMCO SMPS 110V~220V Free volt		
Video	NTSC 3.58, ATSC HDMI DNIe(FBE3) Component, PC	MT5382 SDP72	
Sound	SRS TruSuround XT, Dolby Digital	STA335BWS	Optical Output
Cabinet	S1 Design		

| Specification		
Model	PN50A550S1	PN58A550S1
Screen Size	50 inches (16:9)	58" inches (16:9)
Dimensions (WxHxD)	48.4 x 30.3 x 3.7 inches (1230.3 x 769.8 x 95.0 mm) - without stand 48.4 x 32.7 x 12.6 inches (1230.2 x 830.6 x 319.9 mm) - with stand	55.5*34.0*3.8 inches (1407.7 x 862.3 x 95.0 mm) - without stand 55.4 x 36.5 x 13.6 inches (1407.7*927.9*344.7 mm) - with stand
Weight	91.3 lbs(41.4kg) - with stand 82.5 lbs(37.4kg) -without stand	138lbs(62.5kg) - with stand 126Ibs(57.3kg) - without stand
Voltage	AC 100~240V, 60Hz 550W	AC 100~240V, 60Hz 670W
PC Resolution	1920(H) x 1080(V)	
ANTENNA input	ANT - AIR/CABLE IN 75 unbalanced	
VIDEO input	AV1, AV2 S-VIDEO1, S-VIDEO2 COMPONENT1 - 480i/480p/720p/1080i/1080p COMPONENT2 - 480i/480p/720p/1080i/1080p PC HDMI1-480p/720p/1080i/1080p HDMI2(DVI Compatible) -480p/720p/1080i/1080p HDMI3 (Side-AV) - 480p/720p/1080i/1080p	
AUDIO input	AV1, AV2 S-VIDEO1, S-VIDEO2 COMPONENT1 - 480i/480p/720p/1080i/1080p COMPONENT2 - 480i/480p/720p/1080i/1080p PC DVI	
Audio Output	AUDIO (L/R)	
Speaker Output	10W+10W	15W + 15W
New Features	Anynet+, WISELINK	

New Features explanation
- WISELINK: This function enables you to view photo (JPEG) and listen to audio files (MP3) saved on a USB Mass Storage Class (MSC) device.
- Anynet+ : Anynet+ is an AV network system that enables you to control all connected Samsung AV devices with your Samsung TV's remote.

To directly connect to TV
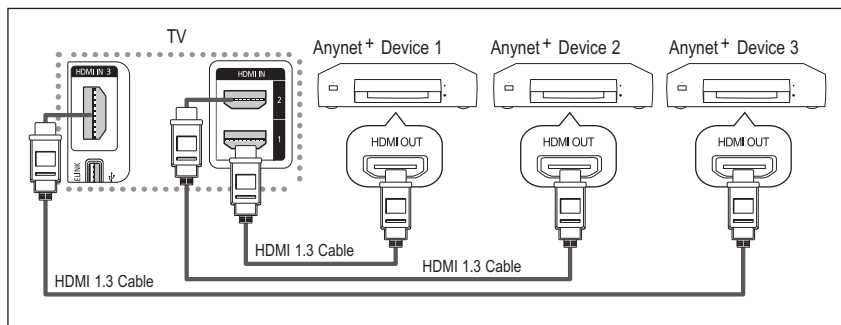
Connect the [HDMI 1], [HDMI 2] or [HDMI 3] jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.

To connect to Home Theater
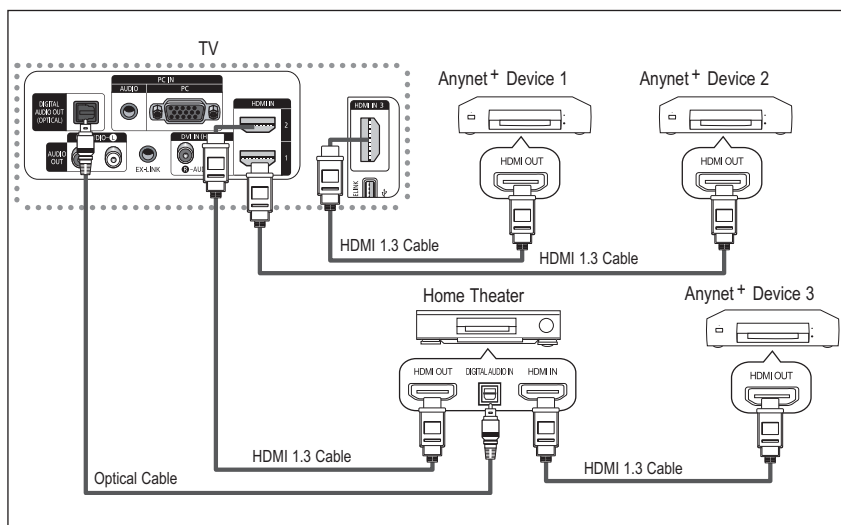
1. Connect the [HDMI 1], [HDMI 2] or [HDMI 3] jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.

2. Connect the HDMI IN jack of the home theater and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.
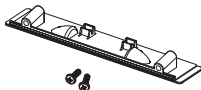
→ Connect the Optical cable between [Digital Audio Out (Optical)] on your TV and Digital Audio Input on the Home Theater.

→ Connect only one Home Theater.

→ You can listen to 5.1 channel sound through the home theater's speakers. Otherwise, you can only listen to 2 channel stereo sound in other cases. Make sure to connect the Digital Audio IN (Optical) of the home theater and the TV correctly to listen to TV sound through the home theater. However, you cannot listen to sound from the BD recorder that is sent to the home theater via the TV in 5.1 channel sound because the TV outputs only 2 channel stereo sound. Please see the manual for the home theater.

→ You can connect an Anynet+ device using the HDMI 1.3 cable. Some HDMI cables may not support Anynet+ functions.

→ Anynet+ works when the AV device supporting Anynet+ is in the Standby or On status.

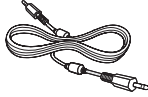→ Anynet+ supports up to 12 AV devices in total.

2-2 Specifications Analysis

: application, X: non-application

	Model	PN50A550S1 (Spinel)	FP-T5084 (Saffron-50FHD)
	Design		
Basic	Display Type	PDP TV	PDP TV
	Built-In Tuner		
	Resolution	1920 x 1080	1920 x 1080
	PDP Module	SAMSUNG SDI 50" FHD WF3.5 SAMSUNG SDI 50" FHD UF1	Samsung SDI 50" FHD WF2
	Screen Size	50"	50"
	Picture ratio	16 : 9	16 : 9
	Dimensions (WxHxD)	48.4 x 30.3 x 3.7 inches	50.7 x 29.1 x 3.72 inches
	Weight	91.3 lbs / 41.4kg	107 lbs / 49kg
	Power consumption	550w	520w
Picture	Brightness	1300Cd/m2	1,300 Cd/m2
	Contrast Ratio	20000:1	15,000:1
	Picture Enhacer	FBE3	DNIe (FBE2)
	Comb Filter		
Audio	Equalizer	5 Band	5 Band
	Auto Volume Control		
	Surround Sound	SRS TruSurround XT	SRS TruSurround XT
	Speaker Output	10W + 10W	15W + 15W
Features	PIP		
	Double Window		
	Caption		
	Still Image		
	EPG		
	My Color Control		
	Color Weakness	X	X
	Energy Saving		
	Anynet		
Connections	Antenna	1 (Cable/Air)	2 (Cable/Air)
	AV Input	2	2
	S-Video	1	2
	Component	2	2
	PC(D-SUB)	1	1
	DVI	X	X
	HDMI	3	3
	Sub Woofer	X	X
	Optical	1	1
	Coaxial	X	X
ETC	Speaker/Stand	Built-in Speaker	Built-in Speaker

2-3 Accessories

Accessories		Item	Item code	Remark
Supplied Accessories		Remote Control Batteries	BN59-00673A 4301-000103	Samsung Service center
		Power Cord	3903-000144	
		Owner's Instructions	BN68-01411A	
		Warranty Card Registration Card Safety Guide Manual	BN68-00872B - AA68-03242L	
		Cloth-Clean	BN63-01798A	
		Ferrite Core for Power Cord	3301-001110	
		Cover-Bottom Screws (2ea)	BN63-04220A 6003-001621	
Accessories that can be purchased additionally		S-VIDEO Cable 48 inches	BN39-00149A	Electronics Store/ Internal shopping mall
		HDMI Cable 118 inches	BN39-00641A	
		HDMI/DVI cable 118 inches	BN39-00643A	
		Component Cables (RCA) 60 inches	BN39-00279A	

Accessories	Item	Item code	Remark
Accessories that can be purchased additionally	Optical Cable	None	Electronics Store/ Internal shopping mall
	PC Cable 72 inches	BN39-00115A	
	PC Audio Cable 78 inches	BN39-00061B	
	Antenna Cable 118 inches	BN39-00333A	

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